

Report Date: 29 Apr 2012

**Summary Report for Individual Task
091-94E-1702
Test the AN/PRC-112(*)
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: In an operational environment, a suspected faulty AN/PRC-112(*) is submitted for repair to your maintenance shop. Your supervisor directs you to test the faulty AN/PRC-112(*). At your workstation you have the following: Radio Set, AN/PRC-112 (*); Radio Set, PLS AN/ARS-6(V); Test Set, TS-4360/AYD; Program Loader, KY-913/PRC-112; Test Set, AN/GRM-122, DA Form 2404, DA Form 2407, local SOP, TM 1-1680-377-13&P-2, TM 11-5820-1037-13&P, DA Pam 750-8, and TB 385-4. This task should not be trained in MOPP.

Standard: Tested the AN/PRC-112 in accordance with TM 1-1680-377-13&P-2 and TM 11-5820-1037-13&P.

Special Condition: None

Special Standards: None

Special Equipment:

Safety Level: Low

MOPP: Never

Task Statements

Cue: Your supervisor has directed you to test the AN/PRC-112(*) radio set.

DANGER

None

WARNING

Touching the antenna of the AN/PRC-112 Survival Radio with unprotected skin (hands, face, etc.), foreign metal objects or wet earth/foilage while transmitting or receiving will significantly degrade the signal, resulting in reduced performance of the radio.

DO NOT transmit on 121.5 MHz, 243.0 MHz, or 282.8 MHz unless under actual emergency conditions. Beacon transmission on 121.5 MHz or 243.0 MHz frequencies may result in your location by the enemy and significantly reduce battery life. The frequency 282.8 MHz is designated as a Search and Rescue frequency.

CAUTION

Ensure that the Radio Set is turned OFF before removing or installing the battery pack.

The radio interface pins at the top of the Program Loader KY-913/PRC-112 are connected directly to the battery pack when attached. The power pins are live. Keep the cover for this connector in place whenever the Program Loader is not attached to the Radio Set to prevent accidental damage to the battery pack.

DO NOT thrust pointed or sharp tools or instruments into the interior of the carton as damage to the equipment could occur.

Remarks: None

Notes: None

Performance Steps

1. Obtain required tools and test equipment. (TM 1-1680-377-13&P-2 WP 0213)
2. Complete appropriate blocks on maintenance request forms. (DA PAM 750-8)
3. Perform visual inspection.
4. Set up test equipment. (WP 0213)
5. Verify faults, Perform Operational Checks.
Note:
 - a. Radio current test, programming test and transponder mode tests. (WP 0213 PG 00-3)
 - b. Transmitter power, transmitter modulation percentage, receiver distortion and SINAD Tests. (WP 0214)
6. Complete maintenance request form. (DA Pam 750-8 Ch. 3)
7. Request final inspection upon completion of task. (Refer to local SOP)

(Asterisks indicates a leader performance step.)

Evaluation Preparation: Ensure all items required in the condition statement (or appropriate substitutions) are on hand and all safety requirements are met.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Obtained required tools and test equipment.			
2. Completed appropriate blocks on maintenance request forms.			
3. Performed visual inspection.			
4. Set up test equipment in accordance with TM.			
5. Performed operational checks.			
6. Completed maintenance request form.			
7. Requested final inspection upon completion of task.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET	Yes	No
	DA FORM 2407	MAINTENANCE REQUEST FORM	Yes	No
	LOCAL SOP	LOCAL SOP	Yes	No
	PAM 750-8	The Army Maintenance Management System (TAMMS) Users Manual.	Yes	No
	TB 11-6625-3263-25	TEST EQUIPMENT MODERNIZATION (TEMOD) PROGRAM GUIDE AND REPLACEMENT LISTS	Yes	No
	TB 385-4	SAFETY REQUIREMENTS FOR MAINTENANCE OF ELECTRICAL AND ELECTRONIC EQUIPMENT	Yes	No
	TM 1-1680-377-13&P	INTERACTIVE ELECTRONIC TECHNICAL MANUAL (IETM) FOR AIR WARRIOR	No	No
	TM 11-5820-1037-13&P	OPERATORS, UNIT, AND INTERMEDIATE MAINTENANCE MANUAL (REPAIR PARTS AND SPECIAL TOOLS LIST) FOR RADIO SET AN/PRC-112 (NSN 5820-01-279-5450) (EIC: JBG) PROGRAM LOADER KY-913/PRC-112 (NSN 7025-01-279-5308)	Yes	No

Environment: It is the responsibility of every Soldier and DA civilian to protect the environment from damage. All operations must conform to the Army Environmental Program, TC 3-34.489 (The Soldier and the Environment), FM 3-34.5 (Environmental Considerations), and local, state, and federal environmental policies, the Clean Air Act (CAA), CAA amendments, National Ambient Air-Quality Standards (NAAQS), as well as Occupational Safety and Health Administration (OSHA), Hazard Communication Standard for Industry, 29 CFR, part 1910.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination. Incidental to Army operations and activities, all operations must provide for public safety, safe and healthful work places, procedures, and equipment. Observe all safety precautions when using lifting devices and handling heavy parts. Observe all safety and/or environmental precautions regarding electricity, radiation, radio frequency (RF), fuel, lubricants, high pressures, and refrigerants. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required in accordance with AR 385-10, (The Army Safety Program) the Clean Air Act (CAA), CAA amendments, National Ambient Air-Quality Standards (NAAQS), and the Occupational Safety and Health Administration (OSHA) Hazard Communication standard.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
09-2-4000	Perform Direct Support Maintenance Operations (EAD)	09 - Ordnance (missiles and munitions) (Collective)	Approved
43-2-4552	Perform Field Maintenance	09 - Ordnance (missiles and munitions) (Collective)	Approved

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43-2-4552	Perform Field Maintenance	09 - Ordnance (missiles and munitions) (Collective)	Approved
43-2-4552	Perform Field Maintenance	09 - Ordnance (missiles and munitions) (Collective)	Approved
43-2-0126	Conduct Sustainment Maintenance Operations	43 - Maintenance (except missile) (Collective)	Approved
43-2-4552	Perform Field Maintenance	09 - Ordnance (missiles and munitions) (Collective)	Approved
43-2-4552	Perform Field Maintenance	09 - Ordnance (missiles and munitions) (Collective)	Approved
43-2-4552	Perform Field Maintenance	09 - Ordnance (missiles and munitions) (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
94E Radio Communications Security Repairer Skill Level 1	Enlisted	MOS: 94E, Skill Level: SL1